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#### Recommended Citation

University of Montana–Missoula. Office of University Relations, "People in Education, October 13, 1992" (1992). *University of Montana News Releases, 1928, 1956-present*. 12838.  
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# The University of Montana

## NEWS RELEASE

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Oct. 13, 1992

### PEOPLE IN EDUCATION -- THE UNIVERSITY OF MONTANA

Terry Berkhouse, director of the Cooperative Education Internship Program, will administer \$35,560 from the U.S. Department of Education to operate and expand the internship program.

Biological sciences Research Associate Professor Dona Boggs, Associate Professor Ken Dial and Associate Dean Del Kilgore will use \$168,074 from the National Science Foundation to study the impact of flight kinematics on respiration in birds.

Law Professor Margery Brown and Visiting Assistant Professor Brenda Desmond will administer \$112,000 from the U.S. Department of Education to support the Patricia Roberts Harris Public Service Fellowship Program, which provides fellowships to underrepresented minorities interested in public service law careers.

David Friend, an assistant professor of physics and astronomy, will use \$1,000 from the NASA-funded Montana Space Grant Consortium to provide a scholarship to an undergraduate student studying astronomy and space science.

Daniel Graetzer, an assistant professor of health and human performance, will use \$3,000 from Nordic Track Inc. and about \$2,000 in equipment from the National Exercise for Life Institute to compare metabolic, cardiovascular and perceived exertion responses at maximal capacity and anaerobic threshold for six exercise modes.

Forestry Research Assistant Professor E. Raymond Hunt will use \$34,765 from NASA to test on grasslands an ecosystem process simulation model originally developed for coniferous forests.

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Dennis Kern, University of Montana curator, will use \$1,000 from the Montana Arts Council to prepare the Fra Dana paintings for tour.

Anthropology Professor Anthony Mattina will use \$53,210 from the En'owkin Centre in Penticton, British Columbia, to develop teaching materials for the Okanagan language.

Biological sciences Assistant Professor Thomas Mitchell-Olds will use \$120,000 from the U.S. Department of Agriculture to study the genetics of disease resistance in rapeseed.

Sarah Mulligan, a project director at the Montana University Affiliated Rural Institute on Disabilities, will use \$145,514 from the U.S. Department of Education to conduct the Educational Home Model Outreach Project in 1992-93.

Forestry Research Assistant Professor Ramakrishna Nemani will use \$15,000 from NASA to map the atmosphere-biosphere exchange of carbon dioxide, using satellite data and ecosystem simulation.

Diana Pilson, a visiting research assistant professor of biological sciences, will use \$100,000 from the U.S. Department of Agriculture to study the effect of multiple herbivores on the evolution of plant resistance.

Biological sciences graduate student Frank Radella used a \$2,000 Peggy Peschel summer research stipend to work with Professor Willard Granath on the immunobiological interactions between the human blood fluke *Schistosoma mansoni* and its snail intermediate host. Graduate student Ying Yuan also received a \$2,000 Peggy Peschel stipend to work with Professor George Card on chlamydial infections of the mucosal epithelium, which can progress to chronic inflammatory diseases causing blindness, arthritis, infertility or tubal pregnancy.



Forestry Professor Steve Running will use \$22,000 from NASA to fund a graduate fellowship in global change research. He'll use \$60,000 from NASA to continue developing an earth-observing system, using a moderate resolution image spectrometer.

Professor Jack Stanford, director of the Flathead Lake Biological Station, will use \$10,600 from the National Park Service to study the relationship between discharge and distribution of hyporheic habitats in Glacier National Park. Hyporheic refers to the zone of ground water that interacts with river water. He'll use \$120,821 from the U.S. Fish and Wildlife Service to review instream flow methods and make recommendations regarding endangered fishes of the upper Colorado River basin.

Geology Professor George Stanley will use \$36,850 from the National Science Foundation to study triassic reefs and reef organisms in North America and Japan. Geology Professors William Woessner and Johnnie Moore will use \$15,000 from the Energy and Environmental Research Center of the National Mine Lands Reclamation Center to establish the mechanisms releasing and transporting waste in metal mining-contaminated flood plains.

Richard van den Pol, a professional education associate professor, will use \$76,104 from the U.S. Department of Education to train special education teachers in early childhood intervention.

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pe10-13-92.rl